RUST-OLEUM®

8100 SYSTEM
OVERKRETE® XTRA SL
PREMIUM 100% SOLIDS EPOXY FLOOR COATING

DESCRIPTION AND USES

OverKrete® Xtra SL is a self leveling flooring that produces a smooth finished surface in one application. A tough, abrasion resistant, 100% solids, copolymer resin system, OverKrete Xtra SL is normally applied at a thickness of 90 mils, giving it improved impact and chemical resistance. It is ideally suited for clean rooms, walkways, and rubber tired forklift traffic areas, where appearance and ease of cleaning are paramount.

This CPS Type II product is typically installed by factory trained contractors. Be sure you are fully aware of all application procedures and have all the required application equipment available prior to beginning application of this product.

FEATURES AND BENEFITS

- Freedom from porosity: OverKrete Xtra SL is nonporous and does not require a sealer coat to prevent chemical penetration to the concrete.
- Uniform flooring composition and properties: OverKrete Xtra SL flooring materials are applied in one step, which means consistent physical properties are maintained throughout.
- Bonds to standard 10 day old concrete that has been cured at a minimum of 70°F.
- OverKrete Xtra SL flooring system has the same chemical resistance as 8000 System OverKrete S. Refer to the Chemical Resistance Chart for specific chemical data.

PACKAGING

OverKrete Xtra SL is available in only one kit size: 70 sq. ft. at 90 mils (3.94 gallons total)

COLORS

OverKrete Xtra SL is available in twelve standard colors and custom colors are available upon request.

PRODUCTS

70 sq.ft. Kit	Description
237177	Natural
237180	National Blue
237182	Light Green
237184	Safety Yellow
237186	Tile Red
237188	Black
237190	Dunes Tan
237192	Dark Gray
237194	Light Gray
237196	Navy Gray
237198	White
241654	Super Light Gray

TYPICAL USES

OverKrete Xtra SL is used where one or more of the following properties are required:

- Easy to clean and maintain
- High wear resistance
- Elimination of concrete dusting
- Easy to clean and maintain
- Smooth aesthetically pleasing surfaces

OverKrete Xtra SL requires a primer (Penetrating Prime & Seal Primer or Prime & Seal Primer) and should not be applied directly over concrete.

INDUSTRIAL & COMMERCIAL APPLICATIONS

- Clean rooms
- Laboratories
- Pharmaceutical
- Electronic plants
- Areas that require ease of maintenance, very clean conditions and chemical resistance

PRODUCT APPLICATION

SURFACE PREPARATION

Concrete must be sound, clean, and visibly dry. Irregularities in the concrete should be filled. OverKrete Xtra SL requires use of a primer (Penetrating Prime & Seal Primer or Prime & Seal Primer) and should not be applied directly over concrete.

The concrete, ambient, and material temperatures should be 65-90°F at time of application. Allow the primer to cure for 6-8 hours before application of OverKrete Xtra SL.

APPLICATION

OverKrete Xtra SL must be applied to a primed surface only. Prime the surface prior to application. Consult Prime & Seal Primer literature for more information.

MIXING

Note: Before starting, ensure that the material, the floor surface, and the ambient air are all at 70-90°F.

A bucket mixer is recommended for OverKrete Xtra SL mixing, but a drill motor with a birdcage attachment will suffice.

Pre-mix part “A” to ensure consistent color. Pour part “B” into “A” and mix until homogeneous; about 1 to 2 minutes. Immediately pour on floor.

PRODUCT APPLICATION (cont.)

FINISHING

Use screed rake to apply. Set rake at ⅛" for a 90 mil coating. After with a screed rake, finish with a porcupine roller several times to remove air, be sure not to over work as this may introduce air bubbles.

If necessary, adjust screed setting for proper coverage.

Floor should be suitable for light use in 36 hours (depending on temperature) and should be ready for full physical use in 72 hours. Full chemical exposure should be delayed for four days.

CLEAN UP

Xylene can be used to remove material from equipment if it is cleaned before the material has started to set up; otherwise, stronger solvents such as methylene chloride will be necessary.

SAFETY

OverKrete Xtra SL contains amine curing agents. Avoid skin contact. In case of eye contact or ingestion, contact a physician immediately. In case of skin sensitivity to these materials, use protective clothing and gloves.

MATERIAL SAFETY DATA SHEETS

Material Safety Data Sheets are available upon request. It is strongly recommended that they be read by all persons handling OverKrete Xtra SL.

If there are any questions on the use of this product, please consult our technical service department.

PERFORMANCE CHARACTERISTICS

COMPRESSIVE STRENGTH

METHOD: ASTM C579

TYPICAL VALUE: 10,700 psi

FLEXURAL STRENGTH

METHOD: ASTM C580

TYPICAL VALUE: 3,260 psi

MODULUS OF ELASTICITY

METHOD: ASTM C580

TYPICAL VALUE: 1.53 x 105 psi

TENSILE STRENGTH

METHOD: ASTM C307

TYPICAL VALUE: 2,500 psi

BOND STRENGTH TO CONCRETE

METHOD: ASTM D4541

TYPICAL VALUE: Exceeds tensile strength of concrete (concrete fails first)

PERFORMANCE CHARACTERISTICS (cont.)

TABER ABRASION

METHOD: ASTM 4060, CS 17

TYPICAL VALUE: Loss/1,000 cycles = 30 mg.

WATER ABSORPTI ON

METHOD: ASTM C413

TYPICAL VALUE: 0.1% maximum

LINEAR SHRINKAGE

METHOD: ASTM C531

TYPICAL VALUE: 0.05% maximum

LINEAR COEFFICIENT OF THERMAL EXPANSION

METHOD: ASTM C531

TYPICAL VALUE: 3.4×10^{-5} in./in./°F

FLAMMABILITY

METHOD: ASTM D635

TYPICAL VALUE: Self-extinguishing

IMPACT RESISTANCE

METHOD: Mil-D-3134J

TYPICAL VALUE: Satisfactory per 3.15

COEFFICIENT OF FRICTION

METHOD: ASTM D2047

TYPICAL VALUE: 0.65

FILM HARDNESS, SHORE D

METHOD: ASTM D2240

TYPICAL VALUE: 83

POROSITY WITH NO SEALER COAT

METHOD: NACE Stand TM0174

TYPICAL VALUE: 0.00

PHYSICAL PROPERTIES

		OVERKRETE® XTRA SL
Resin Type		Polyamine converted epoxy
Pigment Type		Varies depending on color
Solvents		Benzyl Alcohol
Weight*	**Per Gallon**	9.4-10.0 lbs.
	Per Liter	1.13-1.20 kg
Solids*	**by Weight**	100%
	by Volume	100%
Volatile Organic Compounds*		<185 g/l (1.54 lbs./gal.)
Recommended Dry Film Thickness (DFT) per Coat		90 mils
Wet Film to Achieve DFT per coat		90 mils
Practical Coverage at Recommended DFT (assumes 15% material loss)		70 sq. ft./gal. (1.7 m^2/l)
Mixing Ratio		2.8:1 base to activator by volume
Induction Period		None
Pot Life @ 70-80°F (21-27°C) & 50% Relative Humidity		30 minutes. Higher temperatures and larger quantities of activated material will significantly reduce pot life. Pour material onto floor immediately after mixing.
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	**Light Traffic**	36 hours
	Full Use	72 hours
	Full Cure	4 days
Shelf Life		1 year
Flash Point		>130°F (55°C)
Safety Information		FLAMMABLE LIQUID AND VAPOR. HARMFUL IF INHALED. MAY AFFECT THE BRAIN OR NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. CAUSES NOSE, THROAT, EYE AND SKIN IRRITATION. CONTAINS ALIPHATIC POLYISOCYANATE; METHYL AMYL KETONE AND METHYL ACETATE SOLVENTS. REFER TO MATERIAL SAFETY DATA SHEET (MSDS) FOR ADDITIONAL INFORMATION.

* Activated material.
Calculated values are shown and may vary slightly from the actual manufactured material.

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